

# Federal Trade Commission Report

# "TAR", NICOTINE AND CARBON MONOXIDE OF THE SMOKE OF 207 VARIETIES OF DOMESTIC CIGARETTES

February 1984

## REPORT OF "TAR", NICOTINE AND CARBON MONOXIDE OF THE SMOKE OF 207 VARIETIES OF DOMESTIC CIGARETTES

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The Federal Trade Commission's Laboratory has determined the "tar" (dry particulate matter), total alkaloid (reported as nicotine) and carbon monoxide content of 207 varieties of cigarettes. The Laboratory utilized the Cambridge filter method with the following specifications as set forth in the Commission's announcement July 31, 1967 and July 10, 1980:

- Smoke cigarettes to a 23mm. butt length, or to the length of the filter and overwrap plus 3mm. if in excess of 23mm.
- Base results on a test of approximately 90 cigarettes per brand, or type.
- Cigarettes to be tested will be selected on a random basis, as opposed to "weight selection".
- 4. Determine particulate matter on a "dry" basis employing the gas chromatography method published by C.H. Sloan and B.J. Sublett in Tobacco Science 9, page 70, 1965 as modified by F.J. Schultz' and A.W. Spears' report published in Tobacco, vol. 162, no. 24, page 32, date June 17, 1966, to determine the moisture content.
- 5. Determine and report the "tar" content after subtracting moisture and alkaloids (as nicotine) from particulate matter.
  - 6. Carbon monoxide is determined by non-dispersal infrared spectrophotometer.

Concerning the 207 varieties tested, 15 were capable of being smoked to 23mm. The butt length of the other 192 varieties tested ranged from 23.8mm. to an average of between 41.5 to 43.0mm. The butt length of 171 of the 207 varieties tested exceeded 30mm.

The samples used were obtained by attempting to purchase two packages of each variety of cigarettes as distributed by domestic cigarette manufacturers during August 1982 through December 1982 in each of 50 geographic locations throughout the country. Not all varieties of cigarettes were available in each of the 50 geographic locations and in these instances, one or more additional packages of cigarettes were purchased in those geographic locations where respective varieties were available. The sample utilized in the tests were representative of the 207 varieties of cigarettes as available throughout the country at the time of purchase.

In the table listing the cigarette varieties in alphabetical order the "tar" and carbon monoxide content is reported to the nearest 0.1 milligram and the nicotine to the nearest 0.01 milligram, each with appropriate statistical values. The average weight is reported in grams per cigarette and the butt length range to the nearest 0.1 millimeter. In all other tables the average weight and butt length columns and the figures representing the standard deviation of the mean have been eliminated. The "tar" and carbon monoxide figures have been rounded to the nearest milligram (0.5 milligrams and greater rounded up, 0.4 milligrams and less rounded down) and the nicotine figures have been rounded to the nearest tenth of a milligram (0.05 milligrams and greater rounded up, 0.04 milligrams and less rounded down). Three tables respectively list varieties in increasing order of "tar" values, in increasing order of nicotine values and in increasing order of carbon monoxide values. Accordingly, "tar", nicotine and carbon monoxide figures in the tables represent rounded off averages without indication of their precision.

It should be noted that cigarette brands with assay results for "tar" and carbon monoxide below 0.5 mg. per cigarette and for nicotine below 0.05 mg. per cigarette are recorded in the accompanying tables with asterisks (\*) indicating that they are below 0.5 mg. "tar", 0.05 mg. nicotine and 0.5 mg. carbon monoxide. The tables do not differentiate and no ranking is intended between these cigarettes because the current, approved testing methodology is not sensitive enough to differentiate between cigarettes at these levels.

On April 13, 1983, the Commission announced its determination that its present testing methodology for "tar", nicotine and carbon monoxide does not measure accurately Brown & Williamson's Barclay cigarettes and in fact understates the measured deliveries of these products. Therefore, it announced that until it adopts a new testing methodology that is able to measure Barclay cigarettes, future FTC Tar, Nicotine & Carbon Monoxide Reports will not include test results for Barclay cigarettes. As a result, no test results for Barclay cigarettes are included within this report. At that same time the Commission also found that there was a significant likelihood that the same problem (namely, an inaccurate reporting of the "tar", nicotine and CO delivery) existed with respect to Kool Ultra and Kool Ultra 100's, two other brands of cigarettes manufactured by Brown & Williamson. However, the Commission has not yet reached any conclusion whether Kool Ultra and Kool Ultra 100's are ranked inappropriately. Therefore, two asterisks (\*\*) have been appended to Kool Ultra and Kool Ultra 100's in this report to indicate this continuing controversy.

#### TAR NICOTINE AND CARBON MONOXIDE CONTENT OF TWO HUNDRED SEVEN (207) VARITIES OF DOMESTIC CIGARETTES

BRAND TESTED	TYPE CODE	LNGTH TESTO	AVG. WEIGHT	BUTT LENGTH	TPM DRY	NICOTINE CONTENT	CARBON MONOXIDE
	+				`		
ALPINE	F; SP; M	85MM	0.9707	28.8-29.9MM	14.2+0.3	0.82+0.02	13.5+0.4
BELAIR	F, SP, M	BSMM	0.9465	32.0-33.7MM	9.0+0.2	0.73+0.02	9.3+0.4
BELAIR 100	F SP M	100MM	1,1213	37.2-40.4MM	9.2+0.3	0.67+0.02	9,6+0,4
LBENSON & HEDGES	R F HP	70MM	1.0115	32.0-35.2MM	1.3+0.2	0.09+0.01	1.8+0.2
LBENSON & HEDGES	F. HP	85MM	1.0100	32.0-35.0MM	15.0+0.3	1.10+0.02	12.7+0.3
BENSON & HEDGES 100	F HP M	MMOOT	1,1064	34.6~35.9MM	16.6+0.3	1.06+0.03	15,4+0.4
BENSON & HEDGES 100	F, HP	LOOMM	1.1077	34.3-36.2MM	16.9+0.4	1.07+0.02	15.5+0.5
BENSON & HEDGES 100 BENSON & HEDGES 100 BENSON & HEDGES 100 BENSON & HEDGES LIGHTS 100 BENSON & HEDGES LIGHTS 100 BENSON & HEDGES ULTRA LIGHTS BENSON & HEDGES ULTRA LIGHTS	Fi SP	100MM	1.1197	33.8-38.4MM	17.0+0.3	1.11+0.03	16.2+0.5
BENSON & HEDGES 100	F; SP; M	LOOMM	1.1092	34.5-35.5MM	16,5+0.3	1.07+0.03	16.2+0.4
BENSON & HEDGES LIGHTS 100	F; SP; M	100MM	1,1072	38.5-40.1MM	10.0+0.3	0.71+0.02	10.0+0.3
BENSON & HEDGES LIGHTS 100	F; SP	100MM	1.1129	37,3-40.1MM	10.5+0.2	0.75+0.02	11.8+0.4
BENSON & HEDGES ULTRA LIGHTS	F, HP, M	100MM	1.0221	38.9~40.6MM	8.3+0.2	0.48+0.02	6.5+0.3
BENSON & HEDGES ULTRA LIGHTS	F; HP	100MM	1,0025	38.1-39.8MM	6.2+0.3	0.47+0.02	6.5+0.4
BRIGHT	F; SP; M	85MM	0.8915	35.2-36,0MM	6.2+0.2	0.48+0.02	7.5+0.4
BRIGHT 100	F; SP; M	MMOOI	1.0854	39.9-40.2MM	7.4+0.6	0.56+0.03	9.7+0.9
BULL DURHAM	F; SP	85MM	1.1645	26.0-28.0MM		1.78+0.03	23.1+0.4
CAMBRIDGE	F; HP	85MM	0.8635	38,8-40,3MM	•	•	•
CAMBRIDGE	F; SP	85MM	0.8419	34.0-38.4MM	0.8+0.1	0.08+0.01	1.1+0.1
CAMBRIDGE 100	F; SP	LOOMM	0.9702	38.3~40.0MM	4.7+0.3	0.43+0.02	5.5+0.3
CAMEL	F. SP	85MM	0.9732	27.4-28.5MM	15.3+0.3	0.98+0.02	14.1+0.3
CAMEL	RI NEI SP	70MM	0.8687	23.0MM	20.3+0.4	1.20+0.03	12.4+0.7
CAMEL LIGHTS	F; HP	ВОММ	0.9039	29.2-30.5MM	7.9+0.2	0.64+0.02	7.6+0.4
CAMEL LIGHTS	F; SP	85MM	0.9234	32.4-33.5MM	7.9+0.2	0.64+0.02	9,6+0.4
CAMEL LIGHTS 100	F; SP	100MM	1.1219	36.4-38,3MM	12.2+0.3	0.81+0.02	14.5+0.4
CARLTON	F; HP	85MM	0.8058	37.1-41.0MM	•	•	•
CARLTON	F; SP; M	85MM	0.7915	32,3-33,8MM	0.8+0.1	0.08+0.01	0.9+0.1
CARLTON	F; SP	85MM	0.7798	29.8-36,5MM	1,2+0,1	0.11+0.01	1.6+0.2
CARLTON 100	f; HP; M	100MM	0.9106	37.4-39.1MM	0.5+0.1	0.06+0.01	•
CARLTON 100 CARLTON 100	F; HP	100MM	0.9236	36.6-40.0MM	0.7+0.1	0.07+0.01	•
CARLTON 100	F; SP; M	100MM	0.9246	34.2-36.4MM	4.5+0.2	0.30+0.01	5.4.0.4
CARLTON 120	F; SP	100MM 120MM	0.9288 0.9862	33.6-37.0MM	4.6+0.2	0.39+0.01	5.5+0.4
CARLTON 120	F; SP; M F; SP	120MM	0.9846	36.0-40,1MM	5,8+0,3 6,5+0,2	0.54+0.03	4.0+0.3
CHESTERFIELD	F; SP	85MM	0.8869	38.5~39.8MM 28.3-29.8MM	15.1+0.3	0.58+0.02	4.5+0.3
CHESTERFIELD	R NF SP	70MM	0.8550	28.3-29.8MM 23.0MM		1.00+0.03	14.9+0.4
CHESTERFIELD	NF: SP	85MM	1.0358	23.0MM 23.0MM	20.6+0.5 25.3+0.5	1.54+0.03	12.2+0.4
CHESTERFIELD 100	F SP	100MM	1.0155	23.0MM 37.4-39.7MM	14.6+0.2		15.2+0.6
DECADE	F: SP	85MM	0,8603		5.7+0.2	0.98+0.02 0.49+0.02	15.7+0.3 4.7+0.3
DECADE	F SP M	85MM	0.8480	32.8-34.1MM	5.7+0.3	0.48+0.03	
DORAL II	f, SP	85MM			3.1TU.3		4.9+0.4
CARLTON 100 CARLTON 100 CARLTON 100 CARLTON 120 CARLTON 120 CARLTON 120 CHESTERFIELD CHESTERFIELD CHESTERFIELD CHESTERFIELD CHESTERFIELD DECADE DECADE DORAL II DORAL II ENGLISH OVALS	F; SP; M	85MM	1.0527	38.3-38.0MM 34.6-39.0MM	4.6+0.2 4.6+0.2	0.30+0.02	3.4+0.2
ENGLISH OVALS	R; AF; MP	70MM	0.9051	23.0MM	22,3+0.4	1.55+0.04	3,4+0,3 11,6+0,3
ENGLISH OVALS ENGLISH OVALS EVE LIGHTS 100 EVE LIGHTS 100 EVE LIGHTS 120	NF: HP	BSMM	1.1586	23.0MM	28.8+0.5	2.05+0.06	14.6+0.4
EVE LIGHTS 100	F <sub>1</sub> SP	LOOMM	0.9682	37.3-39.5MM	13.0+0.2	0.96+0.01	13.4+0.3
EVE LIGHTS 100	F: SP: M	LDOWN	0.9626	37.5~40.0MM	12.9+0.3	0.97+0.03	13.4+0.3
EVE LIGHTS 120	F; HP; M	120MM	0.9816	36.8-39.2MM	13.9+0.4	1.05+0.03	11.1+0.5
	.,,	LTUMM	O, 30 10	35.4 33.4MM	13.3.0.4	1.03.0.03	11.110.3

<sup>1</sup> P-filter; NP-non-filter; M-menthol; R-regular; NP-hard pack; SP-soft pack; mm-millimeter.
-2. Average weight reported in grams per cigarette.

<sup>3</sup> Range used in butt length because of variance of overwrap.

<sup>4</sup> TPH dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

<sup>5</sup> Total alkaloids reported as nicotine milligrams per digarette.

## TAR NICOTINE AND CARBON MONOXIDE CONTENT OF TWO HUNDRED SEVEN (207) VARITIES OF DOMESTIC CIGARETTES

DRAND Tested	TYPE CODE	LNGTH TESTO	AVG: WEIGHT	BUTT LENGTH	TPM DRY	NICOTINE CONTENT	CARBON MONOXIDE
W 40 40 40 40 40 40						<del></del>	
EVE LIGHTS 120	F; HP	1 20MM	0.9784	35.5-40.7MM	13.7+0.4	1.06+0.03	11.3+0.4
GALAXV	F; SP	85MM	1.0704	32.0-34.2MM	14.9+0.3	0.94+0.02	14.7+0.4
GOLDEN LIGHTS GOLDEN LIGHTS GOLDEN LIGHTS 100 GOLDEN LIGHTS 100 HALF & HALF HERBERT TAREVTON ICEBERG 100 KENT SP KENT TAREY KENT 100	F: SP	BSMM	0.8811	32.9-36.2MM	8.0+0.3	0.71+0.02	9.5+0.4
GOLDEN LIGHTS	F. SP. M	ВБИМ	0.8681	34.0-36.5MM	8.7+0.2	0.68+0.02	0.6+0.3
GOLDEN LIGHTS 100	Er SP. M	HOOMM	1.0305	37.2-39.2MM	8.9+0.4	0.73+0.03	9.1+0.5
GOLDEN LIGHTS 100	F: SP	100MM	1.0495	36.4-39.3MM	9.0+0.3	0.76+0.02	8.9+0.4
HALF & HALF	F; SP	85MM	1.1021	25.8-28.5MM	17.5+0.3	1,23+0,03	16,2+0,4
HERBERT TAREYTON	NF; SP	85MM	1.1497	23.0MM	26.0+0.5	1.68+0.04	16.2+0.5
ICEBERG 100	··F; SP; M	100MM	0.9638	33,2-36,8MM	3,4+0.1	0.30+0.01	4.4+0.3
KENT SP	F; SP	85MM	0.9183	27.5~30.2MM	12.1+0.4	0.87+0.05	10.6+0.3
KENT TOY	F;HP F:SP ∵	80MM 100MM	0.9113 1.0555	28.9-30.1MM 33.9-36.4MM	12.5+0.3 13.8+0.3	0.87+0.02 1.03+0.03	11,7+0.3 11,6+0.5
KENT 100	F; SP; M	100MM		34.4-36.7MM	15.1+0.3	1.15+0.02	13.0+0.3
KENT 100 KENT 111	r; ar; m F; SP	85MM	1.0413 0.8293	34.1-35.5MM	3.0+0.2	0.31+0.02	2,9+0,2
KENT 111 100	F: SP	100MM	0.9833	36.4-39.4MM	4.2+0.2	0.43+0.02	5.3+0.3
KENT SP KENT 100 KENT 100 KENT 111 KENT 111 100 KOOL KOOL KOOL KOOL LIGHTS KOOL LIGHTS 100 KOOL MILDS KOOL MILDS 100	F; HP; M	BOMM	0,9067	25.1-26.6MM	15.9+0.3	1.07+0.02	14.7+0.4
KOOL	F; SP; M	85MM		28.3-29.3MM	16.7+0.3	1.14+0.03	14.6+0.3
KOOL .	RINF: SP:M	70MM	0.8543	23.0MM	20.4+0.6	1.16+0.04	14.3+0.3
KOOL LIGHTS	F: SP: M	85MM		32,4-34,5MM	8.9+0.3	0.67+0.02	9.6+0.3
KOOL LIGHTS 100	F; SP; M	100MM	1.0879	37.7-40.5MM	9.8+0.4	0.76+0.03	9.4+0.4
KOOL MILDS	F; SP; M	85MM	0.8825	32,6-35,4MM	11.4+0.5	0.82+0.02	12.0+0.4
KOOL MILDS 100	F, SP; M	100MM	1.1201	38.3-41.0MM	11.4+0.2	0.84+0.02	12.8+0.3
KOOL SUPER LONGS TOD	F; SP; M	TUOMM	1.0752	33.9-35.6MM	14.7+0.3	0.97+0.02	15.8+0.5
KOOL ULTRA **	F; SP; M	85MM	0.9092	34.1-36.5MM :	1.9+0.3	0.17+0.02	1.4+0.3
KOOL ULTRA 100 **	F; SP; M	LOOMM	1,0831	38.4-41.0MM	4.8+0.3	0.43+0.03	3,7+0.4
LAM	F, SP	85MM	0.8736	32.3-33.7MM	13.7+0.3	0.90+0.02	13.4+0.3
L 1 H	F; HP	8 OMM	0.8402	28,8-30,4MM	13.7+0.2	0.92+0.02	12,9+0.3
L & M 100		HMOOI	1.0152	37.6-39.3MM	14.1+0.2	0.98+0.02	14.7+0.4
L & M LIGHTS	F; SP	85MM	0.8561	32,1-34,0MM	9.1+0.2	0,83+0.02	6.8+0.3
L & M LIGHTS 100	F: SP	MMOOI	0.9552	37,5-38.9MM	7,9+0,2	0.77+0.02	5,3+0.3
L & M LIGHTS 100	F; SP; M	100MM	0.9461	37.6~38.2MM	8.3+0.3	0.80+0.03	5.7+0.4
LARK	F; SP	85MM	0.9911	28.3~34.3MM	14.2+0.3	0.96+0.03	13.2+0.3
LARK 100	F: \$P	MMOOF	1.1316	37.5-39.3MM	15.8+0.3	1.06+0.03	16.3+0.4
LARK LIGHTS	F: SP	85MM	0.9806	31.8-34.0MM	13.0+0.3	0.92+0.02	12.4+0.4
LARK LIGHTS 100	F; SP	100MM	1.1252	37.3-38.4MM	13.6+0.4	1.00+0.02	13.9+0.3
LONG JOHNS 120	F; SP; M	120MM	1.1782	36.7-39.4MM	17.1+0.5	1.35+0.03	18.4+1.1
LONG JOHNS 120 LUCKY 100	F; SP	120MM	1.1974	37.6-39.3MM	18.1+0.6	1.32+0.04	19.0+0.9
FUCKA 100 ' V.K.	F; SP	LOOMM	0,9460	34.3-36.7MM	3.4+0.2	0.31+0.02	4.0+0.3
LUCKY STRIKEN, 6000	F; SP	85MM	0.9273	31.0-35.1MM	10.7+0.3	0.81+0.02	11,0+0.4
LUCKY STRIKE	F; HP	aumm ,	0.9408	31.8-34.6MM	11,1+0.2	0.83+0.02	11.6+0.2
LUCKY 100 LUCKY STRIKE LUCKY STRIKE LUCKY STRIKE MARLBORO MARLBORO MARLBORO MARLBORO MARLBORO MARLBORO MARLBORO	R: NF; SP	70MM	0,8910	23.0MM	24.2+0.4	1,43+0,03	16,1+0,4
MARLBORO	F; HP; M	85MM	0.9221	25,0-27,2MM	14.5+0.3	0.85+0.02	13,1+0.5
MARLBORO	F; SP; M	85MM	0.9683	28.0-29.6MM	15,0+0.4	0.87+0.02	14.3+0.5
MARLBORO	F; SP	85MM	0,9866	27,6-29,0MM	17.1+0.4	1.04+0.03	15.6+0.5
MARLBORO	F: HP	BOMM	0.9284	23.8-27.4MM	17.1+0.2	1.05+0.02	15.1+0.4
MARLBORO 100	F; SP	100MM	1.1227	MMB. 35-8.EE	16.9+0.3	1.09+0.03	15.1+0.3
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<sup>1</sup> F-filter; NF-non-filter; M-menthol; R-regular; HP-hard pack; SP-soft pack; mm-millimeter.
2 Average weight reported in grams per digarette.

Range used in butt length because of variance of overwrap.

THH dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

Total alkaloids reported as nicotine milligrams per cigarette.

Carbon Monoxide reported as millionams per digarette.

#### TAR HICOTINE AND CARBON MONOXIDE CONTENT OF TWO HUNDRED SEVEN (207) VARITIES OF DOMESTIC CIGARETTES

BRAND TESTED	TYPE CODE	LNGTH TESTO	AVG. WEIGHT	BUTT LENGTH	TPM Dry	HICOTINE CONTENT	CARBON MONOXIDE
				*****			
MARLBORO 100 MARLBORO LIGHTS MARLBORO LIGHTS MARLBORO LIGHTS 100 MAX 120 MAX 120 MAX 120 MERIT MERIT MERIT MERIT 100 MERIT 100 MERIT ULTRA LIGHTS MERIT ULTRA LIGHTS MERIT ULTRA LIGHTS 100 MORITULTRA LIGHTS 100 MONTCLAIR MORE 120 MORE 120 MORE 120 MORE 120 MORE LIGHTS 100 MULTIFILTER MULTIFILTER MULTIFILTER MULTIFILTER MULTIFILTER MUMPORT NEWPORT LIGHTS NEWPORT LIGHTS NEWPORT LIGHTS NEWPORT RED NORTHWIND NORTHWIND NORTHWIND NORTHWIND NOW				00 0 DE 71111	16.6+0.3	1.07+0.02	15.4+0.5
MARLBORO 100	F; HP	100MM	1.1162	33.8-35.7MM	10.2+0.2	0.69+0.02	11.0+0.3
MARLBORO LIGHTS	F; HP	85MM	0.9550	33.4-34.7MM 32.7-35.2MM	10.7+0.3	0.74+0.04	11.5+0.4
MARLBORO LIGHTS	F1 24	85MM	0.9812 1.1189	32.7-35.2MM 39.0-40.6MM	10.6+0.3	0.75+0.02	11.8+0.3
MARLBORO LIGHTS 100	E: C0	100MM 120MM	1.0036	36.8-39.1MM	18.2+0.4	1.35+0.04	16.8+0.6
MAX 120	F; 3F	120MM	1,0077	37.6-40.2MM	18.5+0.4	1.36+0.03	17.0+0.7
MAX 12U	F, SP; M	85MM	0.9630	34.3-35,9MM	0.9+0.3	0.59+0.02	11,2+0,4
MENT	F, SD, W	85MM	0.9681	34,4-35,7MM	8,9+0.4	0.58+0.02	10.6+0.5
MENT 100	F. CD. W	100MM	1.1166	38,0-39,9MM	10.3+0.4	0.71+0.02	11.8+0.7
MERIT 100	r, sr, m	100MM	1,1107	38.1-40.2MM	10.9+0.5	0.74+0.03	12.9+0.6
MERTI 100	F, 5P	85MM	0.9247	34.8-36.3MM	4.2+0.2	0.35+0.01	4.5+0.3
MEDIT IN TOA I TOMTS	F. SP. M	85MM	0.9243	37.1-40.4MM	3.8+0.2	0.32+0.02	4.0+0.3
MEDIT IN TOA I TOHTS 100	F: SP: M	100MM	1.0456	39.1-40.0MM	3.7+0.2	0.31+0.02	4.3+0.3
MERIT OUTRA LIGHTS 100	F: 50	LOGMM	1.0416	38.0-39.7MM	5.8+0.6	0.45+0,03	7,4+1.0
UNITCIATE	F. SP. M	85MM	0.9178	25.8-28.4MM	15.5+0.3	1.03+0.03	16.3+0.7
MORE 120	Fi SP	120MM	1.0333	41.7-42.6MM	16.6+0.4	1.15+0.03	19.6+0.5
MORE 120	F: SP: M	120MM	1.0345	41.5-43.0MM	15.1+0.5	1.15+0.03	17:6+0.5
MORE LIGHTS 100	FI HPL M	100MM	·0.8691	37.1-38.7MM	6,8+0.2	0.55+0.01	8,2+0.4
MORE LIGHTS 100	F; HP	LOOMM	0.9407	37.0-38.7MM	8.2+0.2	0.64+0.01	8.2+0.3
MULTIFILTER	Fi SP	85MM	1.1274	32.6-34.7MM	12,2+0,2	0.77+0.02	10.9+0.4
MULTIFILTER	F; SP; M	85MM	1.1302	32.4-33.7MM	12.5+0.4	0.79+0.03	10,8+0.5
NEWPORT	F; HP; M	BOMM	0.8798	27.5-29.6MM	16.1+0.2	1,11+0.02	16.6+0.4
NEWPORT	F; SP; M	85MM	0.9087	27.8-29.3MM	16.7+0.4	1.13+0.02	17,2+0.5
NEWPORT 100	F; SP; M	100MM	1.0611	34.6-37.0MM	19.7+0.3	1.39+0.03	18.9+0.4
NEWPORT LIGHTS	F; \$P; M	85MM	0.8739	34.3-36.4NM	9.0+0.3	0.70+0.02	9,4+0.3
NEWPORT LIGHTS	F; HP; M	BOMM	0.8439	30.9-35.4MM	8.7+0.2	0.69+0.01	9.2+0.4
NEWPORT LIGHTS 100	F; SP; M	100MM	1.0281	35.4-39.8MM	9.6+0.2	0.78+0.02	9.8+0.4
NEWPORT RED	F: SP	BSMM	0,9234	32.1-33.5MM	13,2+0,3	0.97+0.03	15.3+0.5
NEWPORT RED	F; HP	вомм	0.8737	31.6-33.8MM	13.0+0.6	0.96+0.04	14.7+0.5
NORTHWIND	F; SP; M	BSMM	0,9554	34.6-35.4MM	10,3+0,2	0.69+0.02	11.2+0.4 11.4+0.6
NORTHWIND 100	F; SP; M	100MM	1.1084	38.7-39.9MM	10.7+0.3	0.74+0.02	11.470.0
NOW	F: HP	BOMM	0.6887	33.7-36.1MM	•		1,4+0,1
NOW	F; 5F	BSMM	0.7752	37.2-38.2MM	1,1+0.1-	0.11+0.01	1.2+0.1
NOW	F; SP; M	BSMM	0.7932	36.8-36.2MM	0.9+0.1	•	4
NOW 100	r; nr	- 100MM	0.6807	37,0-39,6MM	1.6+0.1	0.18+0.01	1.0+0.1
NOW 100	ri ari w	100MM 100MM	0.9163 0.9205	37.0-38.7MM 37.1-39.0MM	2.3+0.2	0.22+0.01	1.7+0.2
NOW 100	E. CD	85MM	0.9162	27.6-30.9MM	17.5+0.3	1.22+0.03	18.2+0.5
OLD COLD ELLEN	F. CO	1 0 0 MM	1.0523	32.9-37.7MM	20.0+0.4	1.42+0.03	19.2+0.6
OLD COLD LICHTS	F, 60	85MM	0.8901	34.5-36.0MM	9.8+0.2	0.81+0.02	10.6+0.3
OLD GOLD ETGITCHT	F; 3F	85MM	1.0034	23.0MM	26.3+0.4	1.57+0.03	17.7+0.4
OFF GOED SIKYIMLI	RF 3F	100MM	1.0105	37.9-39.7MM	7,2+0,2	0.61+0.03	5.9+0.5
OALL MAST	e, co	BSMM	0.9784	25.5-28.7MM	17,2+0.3	1,14+0.03	16.9+0.5
PRIL MAIL	FI DF	B5MM B5MM	1.0512	23.0MM	23.8+0.4	1.41+0.03	15.7+0.4
PALL MALL AGO	8. CO	100MM	1.1166	33.5-37.2MM	15.9+0.4	1.15+0.03	15.5+0.5
PALL MALL TUU	E' CD	85MM	0.9871	32.2-34.8MM	8.9+0.2	0.60+0.02	6.3+0.3
PALL MALL CAIRA LIUNI	it se	OUMM	0,3071	DA.L UT.UMM	4.5.0.1		

<sup>1</sup> F-filter; NF-non-filter; M-menthol; R-regular; NP-hard pack; SP-soft pack; mm-millimeter.
2 Average weight reported in grams per digarette.

Range used in butt length because of variance of overwrap. 17H dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

Total alkaloids reported as nicotine milligrams per digarette. Carbon Honoxide reported as million mentioners

## TAR NICOTINE AND CARBON MONOXIDE CONTENT OF TWO HUNDRED SEVEN (207) VARITIES OF DOMESTIC CIGARETTES

801ND	TYPE	LNGTH	AVG.	·BUTT	TPM	NICOTINE	CARBON
BRAND Tested	CODE	TESTO	WEIGHT	LENGTH	DRY	CONTENT	MOHOX1 DE
		•			0.0.0.0	0.76+0.02	7.1+0.4
PALL MALL LIGHT 100 PALL MALL LIGHT 100 PARLIAMENT LIGHTS PARLIAMENT LIGHTS PARLIAMENT LIGHTS PARLIAMENT LIGHTS 100 PHILIP MORRIS PHILIP MORRIS COMMANDER PICAYUNE	f; SP	LOOMM	1.0851	36,5-39.3MM	0.9+0.2	1.02+0.02	11.9+0.5
PALL MALL LIGHT 100	F; SP; M	TOOMM	1.0135	33,5-37.2MM	12.9+0.6	0.61+0.02	8.8+0.2
PARLIAMENT LIGHTS	F; HP	\$0 <del>85</del> мм	0.9534	32.4-33.7MM	8.8+0.2		9.3+0.2
PARLIAMENT LIGHTS	F; SP	BSMM	0.9995	32.7-34.7MM	9.7+0.3	0.68+0.02	9.8+0.4
PARLIAMENT LIGHTS 100	F; SP	LOOMM	1.2413	38.5-40.7MM	11.4+0.3	0.85+0.02	13.1+0.4
PHILIP WORRIS	R; NF; SP		0.8590	23.0MM	22.5+0.4	1.32+0.03	15.1+0.5
PHILIP MORRIS COMMANDER	NF; SP	BSMM	1.0484	23.0MM	27.0+0.5	1.64+0.03	14.0+0.4
PICAYUNE	NF: SP	70MM	0.8658	23.0MM	18.0+0.5	1.02+0.04	15.4+0.6
PLAYERS	R; NF; HP	70MM	1.0484	23.0MM	26.8+0.9	1.87+0.06	16.5+0.4
	F, SP	85MM	0.9630	27.6-30.0MM	15.2+0.3	0.95+0.03	16.7+0.8
RALEIGH Raleigh	NF; SP	BSMM	1.0501	23.0MM	24.1+0.7	1.35+0.05	16.5+0.6
RALEIGH 100	F; \$P	MMOOT	1.1419	34.2-35.9MM	16.1+0.5	1.06+0.03	
RALEIGH LIGHTS	F: SP	85MM	0.9650	30,5-36.0MM	9.0+0.3	0.69+0.02	9.3+0.4
RALEIGH RALEIGH 100 RALEIGH LIGHTS RALEIGH LIGHTS 100 REBEL REBEL 100 SALEM SALEM 100 SALEM LIGHTS 100 SALEM LIGHTS 100 SALEM LIGHTS 100 SALEM SLIM LIGHTS 100 SALEM ULTRA SALEM ULTRA 100	F; SP	MMOOI	1,1582	35.7-42.2MM	10.0+0.3	0.78+0.03	12.0+0.5
AFREI	Fi SP	BSMM	0.9269	34.6-36.0MM	10.7+0.2	0.87+0.02	12.5+0.4
9EAEL 100	F; SP	100MM	1.0376	34.7-35.9MM	11.8+0.3	0.96+0.02	12.9+0.6
SALEM	F; SP; M	. 85MM	0.9597	26.6-27.1MM	15.7+0.3	1.05+0.03	14.4+0.5
SALEM 100	F. SP. M	100MM	1.1502	33.7-35.9MM		1.04+0.02	13.3+0.6
CALED ATCHTS	F. SP. M	85MM	0.9505	32.7-38.6MM	8.2+0.2	0.60+0.01	9.1+0.3
CALCULITOUTS 100	F SP M	100MM	1.1306	35.9-39.8MM	9.3+0.3	0.70+0.02	10.9+0.5
CALEM CITH LIGHTS INN	F: HP: M	100MM	0.7949	37,3-38.7MM	7.3+0.2	0.59+0.01	8.3+0.3
SYLEM STIM FIGURES 100	F SP M	85MM	0.9159	32.5-34.4MM	4.4+0.3	0.37+0.02	4,3+0,4
SALEM ULINA	F. SP. M	100MM	1.0913	36,5-39,9MM	4.5+0.2	0.40+0.02	5.3+0.4
SALEM ULIRA IBU	F; HP	120MM	1.1130	37,2-39,5MM	-14,3+0.4	0.95+0.02	14.0+0.4
SARATUGA IIU .	F HP M	120MM	1.1078	37.3-39.4MM	14,2+0.4	0.98+0.04	13.6+0.6
SARATOGA 120		LOOMM	1.0470	34.8-36.5MM	9.7+0.3	0.80+0.02	10.0+0.4
SATEN 100	F; SP; M.	100MM	1.0594	34,1-36.5MM	9.9+0.3	0.80+0.02	11.2+0.5
SATIN 100	F 50	100MM	0.9346	34.1-36.6MM	11.6+0.3	0.96+0.03	8.6+0.3
SILVA THINS 100	F; SP; M	100MM	0.9449	34.3-36.7MM	11.6+0.4	0.99+0.04	9.2+0.4
SILVA THINS 100	F, SP, M	LOOMM	1.0611	33.5-35.7MM	19,2+0.3	1.01+0.03	16.4+0.6
SPRING 100	5. 50	MMOO	1.0499	35,7-38.0MM	15.0+0.4	1.11+0.03	14.4+0.4
ST. MORITZ 100	F, SP, M	1 DOWN	1.0517	34.9-38.5MM	14.6+0.3	1.09+0.02	14.2+0.5
ST. MORITZ 100	F. SP. M	120MM	1,1939	36.5-40.3MM	16.7+0.3	1.31+0.04	16.1+0.5
TALL 120	L SL M	1 2 0 MM	1.2033	36.9-39.2MM	18.9+0.5	1,45+0.05	19.2+0.6
TALL 120	F; 3r	85MM	1.0190	25.0-29.5MM	14.4+0.3	0.97+0.03	14.7+0.4
TAREYTON	L! 3h		1.1568	33.8-36.7MM	13.8+0.2	0.98+0.02	15.4+0.5
TAREYTON 100	F1 5P	100MM			4.6+0.2	0.37+0.02	4,4+0.3
TAREVION LIGHTS	F; \$P	85MM	0.8704	33.8-36.4MM	7.4+0.3	0.61+0.02	6.5+0.6
TAREYTON LONG LIGHTS 100	F1 5P	100MM	1.1542	33.8-38.3MM	3.0+0.2	0.32+0.02	2.6+0.2
TRIUMPH	F; SP; M	85MM	0.8312	34.3-38.1MM		0.37+0.02	3.2+0.3
SATIN 100 SATIN 100 SILVA THINS 100 SILVA THINS 100 SILVA THINS 100 SPRING 100 ST. MORITZ 100 ST. MORITZ 100 TALL 120 TALL 120 TAREYTON 100 TAREYTON 100 TAREYTON LIGHTS TAREYTON LONG LIGHTS 100 TRIUMPH TRIUMPH TRIUMPH 100 TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE	F; SP	BSMM	0.8255	34.3-35.8MM	3.3+0.1	0,43+0.02	4.8+0.4
TRIUMPH 100	F: SP	100MM	0.9829		4.2+0.2		5.0+0.3
TRIUMPH 100	F, SP, M	TOOMM	0.9839	37.2-38.6MM	4.2+0.1	0.45+0.02	
TRUE	F: SP	85MM	0.8277	32.2-34.2MM	5.3+0.3	0.43+0.02	6.1+0.4
TRUE	F, SP, M	85MM	0.8272	32,3-33,6MM	5.1+0.2	0,42+0.01	5,2+0.3
TRUE 100	F: SP	100MM	0.9861	34,2-36.3MM	7.7+0.3	0.59+0.02	8.4+0.
TRUE 100	F SP H	- 100MM	0.9837	34.4-36.2MM	7.9+0.3	0.60+0.02	8.8+0.4

<sup>1</sup> P-filter; NP-non-filter; N-menthol; N-regular; NP-hard pack; SP-soft pack; xm-millimeter.

<sup>2.</sup> Average weight reported in grams per digaretta.

<sup>. 3</sup> Range used in butt length because of variance of overwrap.

TPM dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

Total alkaloids reported as nicotine milligrams per oigarette.

Carbon Monoxide recorted as milligrams per cigareita-

### TAR NICOTINE AND CARBON MONOXIDE CONTENT OF TWO HUNDRED SEVEN (207) VARITIES OF DOMESTIC CIGARETTES

BRAND TESTED	TYPE CODE	LNGTH TESTO	AVG. WEIGHT	BUTT LENGTH	TPM DRY "	NICOTINE CONTENT	CARBON MONOXIDE
* ** ** ** ** **				+			
VANTAGE	F; SP	B5MM	1.0426	32.4-33.6MM	9.2+0.5	0.67+0.02	11.8+0.4
VANTAGE		85MM	1.0848	32.3-34.4MM	9.9+0.3	0.68+0.01	13.1+0.4
VANTAGE 100	F, SP	100MM	1.2372	33.8-35.5MM	9.1+0.3	0.65+0.03	12.0+0.4
VANTAGE ULTRA LIGHTS	F; SP	85MM	0.8915	32.2-34.7MM	5.1+0.2	0.41+0.02	6,3+0.4
VANTAGE ULTRA LIGHTS	F; SP; M	85MM	0.8987	32.7-33.8MM	4.6+0.2	0.38+0.01	8.2+0.3
VANTAGE ULTRA LIGHTS 100	F; SP	100MM	1.0552	36.7-37.9MM	4.9+0.1	0.42+0.02	6.3+0.4
VANTAGE ULTRA LIGHTS 100	F; SP; M	100MM	1.0302	32.9-33.8MM	4.7+0.2	0.40+0.02	6.7+0.3
VICEROV	F: SP	85MM	0.9475	27.6-30.0MM	15.0+0.3	0.93+0.02	16,8+0.4
VICEROY RICH LIGHTS	F; SP	BSMM	0.9759	31.1-34.3MM	9.4+0.3	0.72+0.02	9.9+0.4
VICEROY RICH LIGHTS 100	F: SP	100MM	1.1708	37,9-40.0MM	10,0+0.2	0.78+0.02	11.7+0.4
VICERDY SUPER LONG 100	F; SP	100MM	1,1013	33.4-36.6MM	14.4+0.2	0.95+0.02	16.4+0.5
VIRGINIA SLIMS 100	F: SP	100MM	0.9403	34.4-36.1MM	15.1+0.3	0.96+0.02	13.7+0.5
VIRGINIA SLIMS 100	F; SP; M	100MM	0.9481	33.7-36.0MM	15.4+0.3	0.95+0.07	13.7+0.4
VIRGINIA SLIMS LIGHTS 100	F: HP: M	100MM	0.9694	38.6-40.3MM	7.9+0.3	0.59+0.02	7.3+0.5
VIRGINIA SLIMS LIGHTS 100	F; HP	1 DOMM	0.9635	38.6-40.2MM	8.4+0.4	0.62+0.02	8.4+0.5
	F; SP	85MM	0.9568	27.2-28.7MM	14.9+0.3	0.96+0.02	15.6+0.5
WINSTON	F; HP	BOMM	0.9507	25.1-27.3MM	16.0+0.2	0.99+0.02	14,8+0.5
WINSTON	F; SP	100MM	1.1331	33.4-35.6MM	16.0+0.4	1.08+0.03	15.5+0.6
WINSTON 100	F; HP	100MM	1.0683	31.7-35.1MM	15.9+0.4	1.03+0.03	14.1+0.5
WINSTON INTERNATIONAL 100		BSMM	0.9589	32.2-34.3MM	9.1+0.4	0.65+0.03	9.9+0.3
WINSTON LIGHTS	, F; SP F; SP	LOOMM	1.1193	36.2-38.1MM	11.8+0.2	0.78+0.02	14.4+0.4
MINSTON LIGHTS 100		BSMM	0.8769	31.8-35.6MM	5.0+0.2	0.39+0.02	6.1+0.4
MENSTON ULTRA	F: \$P			36.6~38.9MM	4.8+0.1	0.41+0.01	6.1+0.4
WINSTON ULTRA 100	F; SP	100MM	1.0716	JU,U-JE,SMM	4.0.0.1	0.41.0.01	2.1.0.4

P-filter; NF-non-filter; N-menthol; R-regular; IP-hard pack; SP-soft pack; mm-millimeter. Average weight reported in grams per cigaretts.
Range used in butt length because of variance of overwrap.
TH dry (tar) - milligrams total particulate matter less nicotine and water per cigaretts.
Total alkaloids reported as nicotine milligrams per cigaretts.
Carton Monoxide reported as milligrams per cigarette.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN

BRANDS OF DOMEST	IC CIGARETTES TESTED BY FTC METHOD		•	
3RAND	tising Order of Tar) TYPE		9	<b>≥</b> 27
AAME	TIPE	-	11.	350
, infinite		TAR 1	ИТСОТТИЕ	Carbon Monoktde
CAMBRIDGE	KING SIZE; FILTER; (HARD PACK)	*	_	*
CARLTON	KING SIZE: FILTER: (HARD PACK)	. *		*
10M	KING SIZE; FILTER; (HARD PACK)	*		*
NOW 100	100MM; FILTER; (HARD PACK)	*		*.
CARLTON 100	100mm; FILTER; MENTHOL; (HARD PACK)	1	0.1	*
TARLTON 100	100MM; FILTER; (HARD PACK)		0.1	
AMBRIDGE /	KING SIZE; FILTER		0.1	
LARLTON	KING SIZE; FILTER; MENTHOL		0.1	
IOM	KING SIZE; FILTER KING SIZE; FILTER; MENTHOL		0.1	
IOM	KING SIZE; FILTER; MENTHOL		0.1	
BENSON & HEDGES	REG SIZE: FILTER: (HARD PACK)		0.1	
ARLTON OOL ULTRA **	KING SIZE; FILTER KING SIZE; FILTER; MENTHOL		0.1	
100L DLTRA ***	100MM; FILTER; MENTHOL		0.2	
40M 100	100MM; FILTER, MENTHOE		0.2	
1000.000 0.00	Trivo Oran intrana		0.3	<u>ح</u>
IRIUMPH	KING SIZE; FILTER; MENTHOL	. Z	0.3	3
TRIUMPH			0.4	
ICEBERG 100	KING SIZE; FILTER 100MM; FILTER; MENTHOL		0.3	4
LUCKY 100	100MM; FILTER	. 3	0.3	4
MERIT ULTRA LIGHTS	KING SIZE; FILTER		0.3	
MERIT ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL	4	0.3	4
MERIT ULTRA LIGHTS 100	100MM; FILTER; MENTHOL	4	0.3	
SALEM ULTRA	KING SIZE; FILTER; MENTHOL		0.4	
KENT III 100	100MM; FILTER		0.4	
PRIUMPH 100	100MM; FILTER		0.4	
TRIUMPH 100	100MM; FILTER; MENTHOL		0.5	
DORAL II	KING SIZE; FILTER		0.4	
JORAL II	KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL		0.4	
(OOL ULTRA 100 **	100MM; FILTER; MENTHOL KING SIZE; FILTER		0.4	
CAREYTON LIGHTS  CAMBRIDGE 100 /	100MM; FILTER		0.4	
CARLTON 100	100MM; FILTER; MENTHOL		0.4	
CARLTON 100	100MM; FILTER		0.4	
SALEM ULTRA 100	100MM; FILTER; MENTHOL		0.4	
	KING SIZE; FILTER		0.4	
TRUE	KING SIZE; FILTER; MENTHOL		0.4	
	KING SIZE; FILTER	5	0.4	
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL	5	0.4	6
VANTAGE ULTRA LIGHTS 100 WINSTON ULTRA WINSTON ULTRA 100	100MM; FILTER	5	0.4	6
WINSTON ULTRA	KING SIZE; FILTER	5	0.4	. 6
WINSTON ULTRA 100	100MM; FILTER			
VANTAGE ULTRA LIGHTS 100	100MM; FILTER; MENTHOL	5	0.4	. 7

<sup>1 &</sup>quot;Ter" - milligrams total particulate matter less nicotine and water per digarette.
2 Nicotine total alkaloids reported in milligrams per digarette.
3 Carton Monoxia conted in milligrams per digarette.

	TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN							
	BRANDS OF DOMESTI	C CIGARETTES TESTED BY FTC METHOD		***	•			
	BRAND (Increa	TYPE		ИІСОТІИЕ	CARBON MONOXIDE			
	NAME	IIFE	-	10	280			
	•	···	TAR I	Ĭ.	చక్త			
	CARLTON 120	120MM; FILTER; MENTHOL 120MM; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL	6	0.5	4			
	CARLTON 120	120MM; FILTER	6	0.6	5			
ï	CARLTON 120 DECADE DECADE	KING SIZE; FILTER	6	0.5	5			
;	DECADE	KING SIZE; FILTER; MENTHOL	6	0.5	5	•		
	BENSON & HEDGES ULTRA LIGHT	100MM; FILTER; MENTHOL; (HARD PACK)	6	0.5	<b>5</b> 5			
						-		
	MERIT ULTRA LIGHTS 100	100MM; FILTER; (HARD PACK)  100MM; FILTER  KING SIZE; FILTER; MENTHOL  100MM; FILTER; MENTHOL  KING SIZE; FILTER  100MM; FILTER; MENTHOL; (HARD PACK)  100MM; FILTER; MENTHOL; (HARD PACK)  100MM; FILTER; MENTHOL  100MM; FILTER; MENTHOL  100MM; FILTER; MENTHOL	6	0.5	7			
	BRIGHT	KING SIZE; FILTER; MENTHOL	6	0.5	8			
•	OMNI 100	100MM; FILTER; MENTHOL	7	0.6	6			
	PALL MALL EXTRA LIGHT	KING SIZE; FILTER	7	0.6	6			
	TAREYTON LONG LIGHTS 100	100MM; FILTER .	7	0.6	7			
	MORE LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	7	0.6	8			
	SALEM SLIM LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	7	0.6	8			
	BRIGHT 100	100MM; FILTER; MENTHOL	7	0.6	10			
	L & M LIGHTS 100	100MM; FILTER	8	0.8	5			
	L & M LIGHTS 100	100MM; FILTER; MENTHOL	8	0.8	5			
	_ · · ·	100.00 minutes (100.00 minutes)	_		_			
	MORE LIGHTS 100	TOUMM; FILTER; (HARD PACK)	0	0.5	8			
	TRUE 100	100MM; FILIER	0	0.5	Q Q	1		
_	VIRGINIA SLIMS LIGHTS IUU	100MM; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK)	_ <u>B</u>	0.6		-		
	WATEW FIGURE	IONM+ FILTER+ MENTHOL	8	0.6	á			
	CAMPI IICHTS	KING SIZE: FILTER	8	0.6	10			
	T. C. M. T.TGHTS	KING SIZE: FILTER	9	0.8	7			
	DALL MALL LIGHT 100	100MM: FILTER	9	0.8	. 7			
	RELAIR	KING SIZE: FILTER: MENTHOL	9	0.7	9			
	GOLDEN LIGHTS	KING SIZE: FILTER	9	0.7	9			
	GOLDEN LIGHTS	KING SIZE: FILTER: MENTHOL	9	0.7	9	1		
	GOLDEN LIGHTS 100	100MM; FILTER: MENTHOL	9	0.7	9			
	GOLDEN LIGHTS 100	100MM; FILTER	9	0.8	9			
	NEWPORT LIGHTS	KING SIZE; FILTER; MENTHOL	9	0.7	9			
	NEWPORT LIGHTS	KING SIZE; FIL; MENTHOL; (HARD PACK)	9	0.7	9			
	PARLIAMENT LIGHTS	KING SIZE; FILTER; (HARD PACK)	9	0.6	<u>, 9</u>			
	RALEIGH LIGHTS	KING SIZE; FILTER	9	0.7	9			
	BELAIR 100	100MM; FILTER; MENTHOL	9	0.7	10			
	KOOL LIGHTS	KING SIZE; FILTER; MENTHOL		0.7				
	VICEROY RICH LIGHTS	KING SIZE; FILTER		0.7				
	WINSTON LIGHTS	KING SIZE: FILTER		0.6				
	MERIT	KING SIZE; FILTER		_Q_£				
	MERIT	KING SIZE; FILTER; MENTHOL		0.6				
	SALEM LIGHTS 100	100MM; FILTER; MENTHOL		0.7				
	VANTAGE	KING SIZE; FILTER	9	0.7	12			

<sup>&</sup>quot;Ter" - milligrams total particulate matter less nicotine and water per digarette.

Nicorine total alkaloids reported in milligrams per cigarette.
 Carbon Monoxide reported in milligrams per cigarette.
 Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg, per digarette.

<sup>1 &</sup>quot;Ter" - milligrams total particulate matter less micotine and water per cigarette.

<sup>2</sup> Nigetine total alkaloids reported in milligrams per cigarette.

TAR NICOTINE AN	D CO CONTENT OF TWO HUNDRED SEVEN	
BRANDS OF DOMEST	IC CIGARETTES TESTED BY FTC METHOD	
Incre	aking Order of Tar)	- W _ W
BRAND	TYPE	TAR I NICOTINE CARBON MONOXIDE
NAME		- K
		TAR NTCO NTCO WOW
L'E M	KING SIZE; FILTER	14 0.9 13
4 & M	KING SIZE; FILTER; (HARD PACK)	14 0.9 13
LARK	KING SIZE; FILTER	14 1.0 13
	KING SIZE; FILTER MENTHOL	14 0.8 14
HARK LIGHTS 100	100MM; FILTER	14 1.0 14
GARATOGA 120V	120MM; FILTER: (HARD PACK)	14 0.9 14
SARATOGA 120	120MM; FILTER; MENTHOL; (HARD PACK)	34 3 0 34
L & M 100	100MM; FILTER THAT PACK)	14 1.0 14
TAREYTON		14 1.0 15
PAREYTON 100	KING SIZE; FILTER	14 1.0 15
AREITON 100	100MM; FILTER	14 1.0 15
VICEROY SUPER LONG 100	100MM; FILTER	14 1.0 16
PENSON & HEDGES	KING SIZE; FILTER; (HARD PACK)	15 1.1 13
ENT 100	100MM; FILTER; MENTHOL	15 1.2 13
MARLBORO	KING SIZE; FIL; MENTHOL; (HARD PACK)	15 0.9 13
SALEM 100	100MM; FILTER; MENTHOL	15 1.0 13
	KING SIZE; FILTER	15 1.0 14
MARLBORO	KING SIZE; FILTER; MENTHOL	15 0.9 14
Sr. MORITZ 100	100MM; FILTER	15 1.1 14
ST. MORITZ 100	100MM; FILTER; MENTHOL	15 1.1 14
ZRGINIA SLIMS 100	100MM; FILTER	15 1.0 14
✓IRGINIA SLIMS 100	100MM; FILTER; MENTHOL	15 1.0 14
CHESTERFIELD	KING SIZE; FILTER	15 1.0 15
GALAXY	KING SIZE; FILTER	15 0.9 15
CHESTERFIELD 100	100MM; FILTER	15 1.0 16
KOOL SUPER LONGS 100	100MM; FILTER; MENTHOL	15 1.0 16
ALEIGH		15 1.0 16
MINSTON	KING SIZE; FILTER KING SIZE; FILTER	15 1.0 16
VICEROY	KING SIZE; FILTER	15 0.9 17
MORE 120	120MM; FILTER; MENTHOL	15 1.2 18
O'LEM.	KING SIZE; FILTER; MENTHOL	16 1.0 14
WINSTON INTERNATIONAL 100	100MM; FILTER; (HARD PACK)	16 1.0 14
Kool	KING SIZE; FIL; MENTHOL; (HARD PACK)	16 1.1 15
Lark 100	100MM; FILTER	
PALL MALL 100	100MM; FILTER	16 1.1 15
WINSTON		16 1.2 15
	KING SIZE; FILTER; (HARD PACK)	16 1.0 15
MONTCLAIR	KING SIZE; FILTER; MENTHOL	16 1.0 16
RALEIGH 100	100MM; FILTER	16 1.1 16
Winston 100	100MM; FILTER	16 1.1 16
NEWPORT	KING SIZE; FIL; MENTHOL; (HARD PACK)	
GENSON & HEDGES 100	100MM; FILTER; MENTHOL; (HARD PACK)	
BENSON & HEDGES 100	100MM; FILTER; (HARD PACK)	17 1.1 15
K.ool	KING SIZE; FILTER; MENTHOL	17 1.1 15
ARLBORO	KING SIZE; FILTER (HARD PACK)	17 1.1 15

Tar - milligrams total particulate matter less nicotine and water per digarette.
 Nicotine total alkaloids reported in milligrams per digarette.
 Carbon Managide reported in milligrams per digarette.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD (Increasing Order of Tar) TYPE 3RAND TAME 100MM; FILTER 100MM; FILTER; (HARD PACK) 100MM; FILTER MARLBORO 100 7 ARLBORO 100 # ARLBORO 100

# ENSON & HEDGES 100

### PROPERTY OF THE PROPERTY OF T KING SIZE; FILTER 17 1.2 16 // ALF & HALF 17 1.0 16 KING SIZE: FILTER MARLBORO 120MM; FILTER; MENTHOL 17 1.3 16 KING SIZE; FILTER; MENTHOL KING SIZE; FILTER ALL 120 17 1.1 17 N EWPORT 17 1.1 17 ALL MALL 120MM; FILTER; MENTHOL LONG JOHNS 120 17 1.3 18 120MM: FILTER 17 1.1 20 MORE 120 REG SIZE; NON-FILTER 18 1.0 14 PICAYUNE 120MM: FILTER 18 1.4 17 **nax** 120 120MM; FILTER; MENTHOL 18 1.4 17 MIAX 120 KING SIZE; FILTER 120MM: FILTER 18 1.2 18 ALD GOLD FILTER 120MM; FILTER 100MM; FILTER; MENTHOL 18 1.3 19 LONG JOHNS 120 19 1.0 16 SPRING 100 120MM; FILTER REG SIZE; NON-FILTER TALL 120 19 1.5 19 20 1.2 12 CAMEL 20 1.2 14 REG SIZE; NON-FILTER; MENTHOL HOOL. 20 1.4 19 WEWPORT 100 100MM; FILTER; MENTHOL ### A PROPERTY 100

### A KING SIZE; NON-FILTER 24 1.4 16 PALL MALL RING SIZE; NON-FILTER 24 1.4 16

CHESTERFIELD KING SIZE; NON-FILTER 25 1.5 15

HERBERT TAREYTON KING SIZE; NON-FILTER 26 1.7 16

CLD GOLD STRAIGHT KING SIZE; NON-FILTER 26 1.6 18

PILLIP MORRIS COMMANDER KING SIZE; NON-FILTER 27 1.6 15

PLAYERS REG SIZE; NON-FILTER; (HARD PACK) 27 1.9 15

RULL DURHAM KING SIZE; FILTER 28 1.8 23

KING SIZE; NON-FILTER; (HARD PACK) 29 2.1 15 NGLISH OVALS

<sup>1 &</sup>quot;Ter" - milligrams total particulate matter less nicotine and water per cigarette.
2 Nicotine trail alkaloids reported in milligrams per cigarette.

	AD MICOTIME AT	ND CO CONTENT OF TWO HUNDRED SEVEN		
	ANDS OF DOMES'	TIC CIGARETTES TESTED BY FTC METHOD		بند
e 🔑 j	(Inc	teasing Order of Nicotine)		~ #
RAND	•	TYPE	<b>←</b> ₹	\$ <del>\</del>
NAME	•		TAR 1 MICOTINE	Carbon Monoxide
CAMBRIDGE		KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	* *	
CARLTON	•	KING SIZE: FILTER: (HARD PACK)	* *	*
MOM		KING SIZE; FILTER; (HARD PACK)	* *	*
NOW 100		100MM: FILTER: (HARD PACK)	* *	*
CARLTON 100		100MM; FILTER; MENTHOL; (HARD PACK)	1 0.1	*
CARLTON 100		100MM; FILTER; (HARD PACK)	1 0.1	*
TAMBRIDGE		KING SIZE: FILTER	1 0.1	1
CARLTON		KING SIZE; FILTER; MENTHOL	1 0.1	1
NOW		KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL	1 0.1	1
10M		KING SIZE; FILTER; MENTHOL	1 0.1	1
BENSON & HEDG	ES	REG SIZE; FILTER; (HARD PACK)	1 0.1	2
CARLTON		KING SIZE; FILTER	1 0.1	2
KOOL ULTRA **	r į	KING SIZE; FILTER; MENTHOL	2 0.2	1
40M 100		100MM; FILTER; MENTHOL	2 0.2	~ <b>1</b>
NOW 100		100MM; FILTER	2 0.2	2
KENT III	• •	KING SIZE; FILTER	3 0.3	3
TRIUMPH		KING SIZE; FILTER; MENTHOL	3 0.3	3
ICEBERG 100		KING SIZE; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL REG SIZE; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER	3 0.3	4
LUCKY 100		100MM; FILTER	3 0.3	4
- ÆRIT ULTRA I	LIGHTS	KING SIZE; FILTER	4 0.3	. 4
MERIT ULTRA I	LIGHTS 100	100MM; FILTER; MENTHOL	4 0.3	4
. AND F FFE (TSF)		KING SIZE; FILTER	3 0.4	3
SALEM ULTRA		100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER KING SIZE; FILTER	4 0.4	4
KENT III 100		100MM; FILTER	4 0.4	5
TRIUMPH 100	•	100MM; FILTER	4 0.4	5
ORAL II		KING SIZE; FILTER	4 0.4 4 0.4 5 0.4 5 0.4	3
ORAL II		KING SIZE; FILTER; MENTHOL	5 0.4	. 3
KOOL ULTRA 1	00 **	100MM; FILTER; MENTHOL	5 0.4	. 4
TAREYTON LIGH	HTS	100MM; FILTER 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER	5 0.4	. 4
CAMBRIDGE 100	0	100MM; FILTER	5,0.4	. <b>5</b>
CARLTON 100		100MM; FILTER; MENTHOL	5 0.4	ָּבָּ בְּיִבְּיִבְּיִבְּיִבְּיִבְּיִבְּיִבְּיִ
CARLTON 100		100MM; FILTER	5 0.4	. 5
SALEM ULTRA	100	TOUMM; FILTER; MENTHOL		
TRUE	•	KING SIZE; FILTER	5 0.4	; <u>5</u>
TRUE		KING SIZE; FILTER; MENTHOL	5 0.4 5 0.4 5 0.4 5 0.4 5 0.4	. 5
VANTAGE ULTR	A LIGHTS	KING SIZE; FILTER.	D U.4	. 6
VANTAGE ULTR	A LIGHTS	KING SIZE; FILTER; MENTHUL	5 0.4	: <b>b</b>
		100MM; FILTER	5 0.4	: 10
WINSTON ULTR	A 300	KING SIZE; FILTER	5 0.4	, 0
WINSTON ULTR	A 100	100MM; FILTER	5 0.4	: 0
	A LIGHTS 100	100MM; FILTER; MENTHOL	4 0.5	
TRIUMPH 100	<b>.</b> .	100MM; FILTER; MENTHOL	4 0.5	, 5

<sup>1 &</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette.
2 Nicotine total alkaloids reported in milligrams per cigarette.
3 Carbon ....mide reported in milligrams per cigarette.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

. (Increa	sing Order of Nicotine)		**	•
RAND	TYPE		. 5	≥ 2
AME		-	116	X X X
- <del>-</del>		TAR !	NICOTINE	Carbon Monoxide
CARLTON 120	120MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL	6		4
DECADE	KING SIZE: FILTER	6	0.5	- T
ECADE	KING SIZE: FILTER: MENTHOL	6	0.5; 0.5	5
'ENSON & HEDGES ULTRA LIGHT	100MM; FILTER; MENTHOL; (HARD PACK)	6	0.5	6
DITCOIT E TIDDODO TYPADA E COM	30000.	_		
MERIT ULTRA LIGHTS 100	100MM: FILTER	6	n 5	7
3RIGHT	KING SIZE: FILTER: MENTHOL.	6	n 5	ó
CARLTON 120	120MM: FILTER	6	0.5	5
DMNI 100	100MM: FILTER: MENTHOL	7	0.6	8 5 6
PALL MALL EXTRA LIGHT	KING SIZE: FILTER	ż	0.6	6
TAREYTON LONG LIGHTS 100	100MM: FILTER	7	0.0	7
MORE LIGHTS 100	100MM; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; MENTHOL 120MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	<del>,</del>	0.6	8
SALEM SLIM LIGHTS 100	100MM: FILTER: MENTHOL: (HARD DACK)	7	0.6	-8
PDICUM 100	30000 Director		0.6	30
VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	ó	0.6	± 0
CAMEL LIGHTS	KING SIZE: FILTER: (HARD DACK)	0	0.6	7 8
MORE LIGHTS 100	100MM: FILTER: (HARD DACK)	0	0.6	0
CAMEL LIGHTS MORE LIGHTS 100 TRUE 100	KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) 100MM; FILTER	0	0.6	8 8
VIRGINIA SLIMS LIGHTS 100	100MM: FILTER: (HARD DACK)	-0	0.6	0
SALEM LIGHTS	KING SIZE: FILTER: MENTHOI	0	0.6	0
TRME 100	100MM· FILTER· MENTHOL	0	0.6	7
TAMEL LIGHTS	KING SIZE FILTER	0	0.6	7
PARLIAMENT LIGHTS	KING SIZE: FILTER: (WARD DACK)	ο.	0.6	ΤÜ
WINSTON LIGHTS	KING SIZE, ITHIER, (MARD PACK)	5	0.6	, 5
SERIT	KING SIZE, FILTER	כ	0.6	ΤÔ
4FPTT	100MM; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL LOOMM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER MENTHOL KING SIZE; FILTER; MENTHOL	כ	0.6	11
RPLATE	KING SIZE; FILIER; MENTHOL	9	0.5	ŦŢ
COLDEN LICHTS	KING SIZE, FIDER; MENITOD	. 0	0.7	9
COLDEN LIGHTS	VINC SIZE: FILTER MENTION	9	0.7	3
COIDEN LICHTS 100	100MM. FILTER, MENITOL	9	0.7	9
NEMBODE FIGHTS TOO	FINE CIPE PITTED MENTING	9	0.7	9
MEMBODE LICHEC	KING SIZE; FILLER; MENINOL	9	0.7	9
DATETON FIGHTS	VINC CITE, BILDED	9	0.7	9
DELYID 100	AING SIZE; FILLER	9	0.7	. 9
POOL LICHTO	YING CITE, DIEMER, WENTHOL	9	0.7	10
VICEDOV DICU LICUME	KING SIZE; FILTER; MENTHOL	. 9	0.7	10
VICEROY RICH LIGHTS	KING SIZE; FILTER			
SALEM LIGHTS 100	100MM; FILTER; MENTHOL		0.7	
VANTAGE	KING SIZE; FILTER		0:.7	
VANTAGE 100	100MM; FILTER		0.7	
PARLIAMENT LIGHTS	KING SIZE; FILTER		0.7	
BENSON & HEDGES LIGHTS 100			0.7	
MARLBORO LIGHTS	KING SIZE; FILTER; (HARD PACK)		0.7	
NORTHWIND	KING SIZE; FILTER; MENTHOL	10	0.7	11

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette. Nicotine total alkalcids reported in milligrams per cigarette. Carbon Monocide reported in milligrams per cigarette.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

ITECA	TYPE  100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER	es m
DBAND	TADE	₹ × <b>2</b>
DIVENT	TIPE	- IT 88
NAME		¥ 25. 23.
SPACON C MEDCES LICHTS 100	100MA ETIMER	- × ×
morm 300	100MM; FILTER	10 0.7 12
MERIT 100	NING CITE BILDER, MENTHOL	10 0.7 12
VANTAGE	KING SIZE; FILTER; MENTHOL	10 0.7 13
MARLBURU LIGHTS	KING SIZE; FILTER	11 0./ 11
NORTHWIND 100	100MM; FILTER; MENTHOL	11 0.7 11
MARLBORO LIGHTS 100	100MM; FILTER	11 0.7 12
MERIT 100.	100MM; FILTER	11 0./ 13
L & M LIGHTS 100	100MM; FILTER	8 0.8 5
L & M LIGHTS 100	TUUMM; FILTER; MENTHOL	8 0.8 6
L & M LIGHTS	KING SIZE; FILTER	9 0.8 7
PALL MALL LIGHT 100	LUUMM; FILTER	9 0.8 7
JOLDEN LIGHTS 100	100MM; FILTER	9 0.8 9
KOOL LIGHTS 100	100MM; FILTER; MENTHOL	10 0.8 9
NEWPORT LIGHTS 100	100MM; FILTER; MENTHOL	10 0.8 10
SATIN 100	100MM; FILTER	10 0.8 10
OLD GOLD LIGHTS	KING SIZE; FILTER	10 0.8 11
SATIN 100	100MM; FILTER; MENTHOL	10 0.8 11
RALEIGH LIGHTS 100	100MM; FILTER	10 0.8 12
VICEROY RICH LIGHTS 100	100MM; FILTER	10 0.8 12
LUCKY STRIKE	KING SIZE; FILTER -	11 0.8 11
KOOL MILDS	KING SIZE; FILTER; MENTHOL	11 0.8 12
LUCKY STRIKE	KING SIZE; FILTER; (HARD PACK)	11 0.8 12
KOOL MILDS 100	100MM; FILTER; MENTHOL	11 0.8 13
MULTIFILTER	KING SIZE; FILTER	12 0.8 11
CAMEL LIGHTS 100	100mm; FILTER	12 0.8 14
WINSTON LIGHTS 100	100MM; FILTER	12'0.8 14
MULTIFILTER	KING SIZE; FILTER; MENTHOL	13 0.8 11
ALPINE	KING SIZE; FILTER; MENTHOL	14 0.8 14
PARLIAMENT LIGHTS 100	100MM; FILTER	11 0.9 10
REBEL	KING SIZE: FILTER	11 0.9 12
KENT	KING SIZE: FILTER	12 0.9 11
KENŤ	KING SIZE: FILTER: (HARD PACK)	12 0.9 12
ARK LIGHTS	KING SIZE: FILTER	13 0.9 12
- 1 & M	KING SIZE: FILTER	14 0.9 13
L & M	KING SIZE: FILTER: (HARD PACK)	14 0.9 13
SARATOGA 120	120MM; FILTER; (HARD PACK)	14 0.9 14
MARLBORO	KING SIZE; FIL; MENTHOL; (HARD PACK)	15 0.9 13
MARLBORO	KING SIZE; FILTER; MENTHOL	15 0.9 14
GALAXY	KING SIZE; FILTER	15 0.9 15
VICEROY	KING SIZE; FILTER	15 0.9 17
SILVA THINS 100	100MM; FILTER	12 1.0 9
SILVA THINS 100	100MM; FILTER; MENTHOL	12 1.0 9
REBEL 100	100MM; FILTER	12 1.0 13
ATTIC TOO	A C CAMALY A A MAINTAIN	12 1.0 13

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette.

Nicotine total alkaloids reported in milligrams per digarette.

Carbon Monovido reported in milligrams per digarette.

Judicates Stat. Tow 0.5 mm : nicotine below 0.05 mm. or carbon monogide 🖭 Tedicetes, (test.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

Inches of bonds 1	TYPE  100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; (HARD PACK) 120MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER KING SIZE; FILTER 100MM; FILTER 120MM; FILTER 120MM; FILTER 100MM; FILTER KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL LOMM; FILTER; (HARD PACK) KING SIZE; FILTER 100MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) LOMM; FILTER LOMM; FILTER LOMM; FILTER LOMM; FILTER LOMM; FILTER LOMM; FILTER		•	•
האום	TYPE		뿔	<u>×</u>
TAME		-	110	2 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X
LEST-144	·.	Ϋ́	ŭ	38
ALL MALL LIGHT 100	100MM: FILTER: MENTHOL	וא	1 n	12
VE LIGHTS 100	100MM FILTER	13	1.0	12
EVE LIGHTS 100	100MM FILTER MENTHOL	13	1.0	13
IEWPORT RED	KING SIZE: FILTER	13	1.0	15
JEMPORT RED	KING SIZE: FILTER: (HAPD DACK)	13	1.0	15
פעד ווכטיים 120	120MM. FILTED. MENTUCL. (HADD DACK)	3.4	3 0	1.
KEMA 100	300MM. FILTER, MENTHOD, (MARD, FACK)	7.4	1.0	7.7
TADE	KING SIZE + FILTED	14	1.0	12
TARK TICKME 100	100M. PITTED .	1 4	3 0	1.0
ENDAMOCA 130	120MM. FILTER. MENTUOT. (UNDER DACK)	7 %	1.0	14
* r v 100	100M, FILIDA, MENINOL, (MAKD PACK)	14	1.0	14
F & W TOO	TIME CIES, DILBER	14	1.0	7.2
TAREITON	NING SIZE; FILIER	14	1.0	12
TAREITON TOU	100MM; FIDIER	7.4	1.0	70
VICEROI SUPER LONG IOU	100MM; FILIER	14	1.0	10
SALEM TOU	YING CIRE, RIPED	15	1.0	13
CAMEL	NING SIZE; FILIER	72	1.0	14
VIRGINIA SLIMS 100	100MM; FILIER	7.2	1.0	14
VIRGINIA SLIMS 100	YING CIZE, BILDER	15	1.0	14
THEOLEUE FEED 100	AING SIZE; FILTER	10	1.0	15
CUESTERLIEDD 100	100MM; FILIER	10	1.0	10
TOOL SUPER LONGS 100	VINC CIRE, BLIDER	10	1.0	70
ALEIGH	KING SIZE; FILTER	7.5	1.0	7.0
WINSTON	NING SIZE; FILIEK	10	1.0	16
SALEM	AING SIZE; FILTER; MENTHOL	10	1.0	14
(INSTON INTERNATIONAL IOU	YING SIZE: SIZES (MARD PACK)	7.0.	1.0	14
WINSTUN	NING SIZE; FILTER; (MARD PACK)	10	1.0	12
MONTCLAIR	KING SIZE; FILTER; MENTHOL	16	1.0	16
MARLBORO	KING SIZE; FILTER	1/	1.0	16
PICAYUNE	REG SIZE; NON-FILTER	18	1.0	14
SPRING 100	100MM; FILTER; MENTHOL	19	1.0	16
EVE LIGHTS 120	12UMM; FILTER; (HARD PACK)	14	1.1	<u> </u>
BENSON & HEDGES	KING SIZE; FILTER; (HARD PACK)	15	1.1	13
ST. MORITZ 100	100MM; FILTER	15	1.1	14
ST. MORITZ 100	TOUMM; FILTER; MENTHOL	12	7 • 7	14
KOOL	KING SIZE; FIL; MENTHOL; (HARD PACK)	19	1.1	15
LARK 100	100MM; FILTER	16	1.1	15
MADDIAN TOO	200:2:, 120:2:			10
WINSTON 100	100MM; FILTER		1.1	
	KING SIZE; FIL; MENTHOL; (HARD PACK)		1.1	
BENSON & HEDGES 100	100MM; FILTER; MENTHOL; (HARD PACK)			
BENSON & HEDGES 100	100MM; FILTER; (HARD PACK)		1.1	
KOOL	KING SIZE; FILTER; MENTHOL		1.1	
MARLBORO	KING SIZE; FILTER (HARD PACK)	17	1.1	15

<sup>1 &</sup>quot;Ter" - milligrams total particulate matter less nicotine and water per cigarette.

<sup>2</sup> Nicotine total alkaloids reported in milligrams per cigarette.

<sup>3</sup> Carbon Monoxide reported in milligrams per digarette.

\* Indicates "tar" below 0.5 mg., nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

Į Ti	screasing Order of Nicotine)	•4 · · · · · · · · · · · · · · · · · · ·
JRAND	TYPE	TAR 1 NICOTINE CARBON HONOXIDE
NAME		\ \frac{\fir}{\fin}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}{\finitita}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}{\finitita}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\fin}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
ANDIBORO 100	100MM; FILTER 100MM; FILTER; (HARD PACK) 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 120MM; FILTER 100MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER REG SIZE; NON-FILTER; MENTHOL REG SIZE; NON-FILTER; MENTHOL REG SIZE; NON-FILTER	17 1 1 15
WARTBORD 100	100MM: FILTER: (HARD PACK)	17 1.1 15
RENSON & HEDGES 100	100MM: FILTER	17 1.1 16
BENSON & HEDGES 100	100MM: FILTER: MENTHOL	17 1 1 16
NEWPORT	KING SIZE: FILTER: MENTHOL	17 1.1 17
PALT. MALT.	KING SIZE: FILTER	17 1.1 17
MORE 120	120MM: FILTER	17 1.1 20
CENT 100	100MM: FILTER: MENTHOL	15 1.2 13
ORE 120	120MM; FILTER; MENTHOL	15 1.2 18
PALL MALL 100	100MM; FILTER	16 1.2 15
TALF & HALF	KING SIZE: FILTER	17 1.2 16
LD GOLD FILTER	KING SIZE; FILTER	18 1.2 18
CAMEL	REG SIZE; NON-FILTER	20 1.2 12
OOL	REG SIZE; NON-FILTER; MENTHOL	20 1.2 14
HESTERFIELD	REG SIZE; NON-FILTER	21 1.2 12
CALL 120	120MM; FILTER; MENTHOL	17 1.3 16
ONG JOHNS 120	120MM; FILTER; MENTHOL	17 1.3 18
ONG JOHNS 120	120mm; FILTER	18 1.3 19
PHILIP MORRIS	REG SIZE; NON-FILTER	22 1.3 13
∸1AX 120	120MM; FILTER	18 1.4 17
1AX 120	120mm; FILTER; MENTHOL	18 1.4 17
JEWPORT 100	100MM; FILTER; MENTHOL	20 1.4 19
)LD GOLD FILTER 100	100MM; FILTER	20 1.4 19
UCKY STRIKE	REG SIZE; NON-FILTER	24 1.4 16
ALL MALL	KING SIZE; NON-FILTER	24 1.4 16
RALEIGH	KING SIZE; NON-FILTER	24 1.4 17
TALL 120	120MM; FILTER	19 1.5 19
ENGLISH OVALS	REG SIZE; NON-FILTER; (HARD PACK)	22 1.5 12
THESTERFIELD	KING SIZE; NON-FILTER	25 1.5 15
LD GOLD STRAIGHT	KING SIZE; NON-FILTER	26 1.6 18
HILIP MORRIS COMMANDER	KING SIZE; NON-FILTER	27 1.6 15
ERBERT TAREYTON	KING SIZE; FILTER REG SIZE; NON-FILTER; MENTHOL REG SIZE; NON-FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER REG SIZE; NON-FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER REG SIZE; NON-FILTER KING SIZE; NON-FILTER KING SIZE; NON-FILTER REG SIZE; NON-FILTER KING SIZE; NON-FILTER; (HARD PACK) KING SIZE; NON-FILTER; (HARD PACK)	26 1./ 16
.ULL DURHAM	KING SIZE; FILTER	28 1.8 23
LAYERS	REG SIZE; NON-FILTER; (HARD PACK)	2/ 1.9 15
NGLISH OVALS	KING SIZE; NON-FILTER; (HARD PACK)	29 2.1 15

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette.

Nicotine total alkaloids reported in milligrams per digarette.

Carton Moroxide reported in milligrams per digarette.

Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide

below 0.5 mg. per digarette.
\* See stroment in text concerning Kool Ultra brands.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD	•
	. <u>.</u>
BRAND TYPE -	CARBON CARBON MONOXIDE
AME \(\frac{1}{2}\)	5 <b>2</b> 2
PATE E	CARBON MONOXIDE
AMBRIDGE KING SIZE; FILTER; (HARD PACK) *  CARLTON KING SIZE; FILTER; (HARD PACK) *  CARLTON 100 100MM; FILTER; MENTHOL; (HARD PACK) 1 0.  CARLTON 100 100MM; FILTER; (HARD PACK) 1 0.  NOW KING SIZE; FILTER; (HARD PACK) *  CAMBRIDGE KING SIZE; FILTER 1 0.  CARLTON KING SIZE; FILTER; MENTHOL 1 0.  COOL ULTRA ** KING SIZE; FILTER; MENTHOL 2 0.  COW KING SIZE; FILTER 1 0.  COW KING SIZE; FILTER; MENTHOL 1 0.  COW 100 KING SIZE; FILTER; MENTHOL 1 0.  COW 100 REG SIZE; FILTER; MENTHOL 2 0.  COW 100 REG SIZE; FILTER; MENTHOL 1 0.  COW 100 REG SIZE; FILTER; (HARD PACK) 1 0.  CARLTON KING SIZE; FILTER; (HARD PACK) 1 0.	* *
CARLTON KING SIZE; FILTER; (HARD PACK) * '	* <del>*</del>
TARLTON 100 100MM; FILTER; MENTHOL; (HARD PACK) 1 0.	. 1 *
TARLTON 100 100MM; FILTER; (HARD PACK) 1 0.	1 *
NOW KING SIZE; FILTER; (HARD PACK) * '	* *
IOW 100 100MM; FILTER; (HARD PACK)	* *
CAMBRIDGE KING SIZE; FILTER 1 0.	.1 1
TARLTON KING SIZE; FILTER; MENTHOL 1 0.	.1 1
KOOL ULTRA ** KING SIZE; FILTER; MENTHOL 2 0.	.2 1
OW KING SIZE; FILTER 1 0.	.1 1
KING SIZE; FILTER; MENTHOL 1 0	.1 1
OW 100 100MM; FILTER; MENTHOL 2 0	.2 1
ENSON & HEDGES REG SIZE; FILTER; (HARD PACK) 1 0	.1 2
ARLTON KING SIZE; FILTER 1 0	.1 2
DW 100 100MM; FILTER 2 0	.2 2
ORAL II KING SIZE; FILTER 5 0	.4 3
ORAL II KING SIZE; FILTER; MENTHOL 5 0	.4 3
ENT III KING SIZE; FILTER 3 0	.3 3
RIUMPH KING SIZE; FILTER; MENTHOL 3 0	.3 3
OW 100  ENSON & HEDGES  REG SIZE; FILTER; (HARD PACK)  ARLTON  WING SIZE; FILTER  ORAL II  ORAL II  KING SIZE; FILTER  KING SIZE; FILTER  ORAL II  KING SIZE; FILTER  KING SIZE; FILTER  ORAL II  KING SIZE; FILTER; MENTHOL  KING SIZE; FILTER  RIUMPH  KING SIZE; FILTER; MENTHOL  RIUMPH  KING SIZE; FILTER; MENTHOL  ARLTON 120  IEBERG 100  OL ULTRA 100  100MM; FILTER; MENTHOL  JOUCKY 100	.4 3
ARLTON 120 120MM; FILTER; MENTHOL 6 0	.5 4
TEBERG 100 100MM; FILTER; MENTHOL 3 0	.3 4
OOL ULTRA 100 ** 100MM; FILTER; MENTHOL 5 0	.4 4
JUCKY 100 100MM; FILTER 3 0	.3 4
KERIT ULTRA LIGHTS KING SIZE; FILTER 4 0 MERIT ULTRA LIGHTS KING SIZE; FILTER; MENTHOL 4 0 ERIT ULTRA LIGHTS 100 100MM; FILTER; MENTHOL 4 0	.3 4
MERIT ULTRA LIGHTS KING SIZE; FILTER; MENTHOL 4 0	.3 4
ERIT ULTRA LIGHTS 100 100MM; FILTER; MENTHOL 4 0	.3 4
JOL ULTRA 100 **  LUCKY 100 100MM; FILTER 3 0  KERIT ULTRA LIGHTS KING SIZE; FILTER 4 0  MERIT ULTRA LIGHTS KING SIZE; FILTER; MENTHOL 4 0  ERIT ULTRA LIGHTS 100 100MM; FILTER; MENTHOL 4 0  ALEM ULTRA KING SIZE; FILTER; MENTHOL 4 0	.4 4
AREYTON LIGHTS KING SIZE; FILTER 5 0	.4 4
ALEM ULTRA KING SIZE; FILTER; MENTHOL 4 0 AREYTON LIGHTS KING SIZE; FILTER 5 0 AMBRIDGE 100 100MM; FILTER 5 0 ARLTON 100 100MM; FILTER; MENTHOL 5 0 LARLTON 100 100MM; FILTER 5 0	.4 5
ARLTON 100 100MM; FILTER; MENTHOL 5 0	.4 5
TARLTON 100 100MM; FILTER 5 0	.4 5
ARLION 120	
ECADE KING SIZE; FILTER 6 0	.5 5
RONDO KING SIZE: FILTER: MENTHOL 6 0	5 5
ENT III 100 100MM; FILTER 4 0	1.4 5
LEM LIGHTS 100 100MM; FILTER 8 0	).4 5 ).8 5 ).4 5
ALEM ULTRA 100 100MM; FILTER; MENTHOL 5 0	).4 5
RIUMPH 100 · 100MM; FILTER 4 C	).4 5
PILIMPH 100 100MM; FILTER; MENTHOL 4 U	).5 5
RIFE KING SIZE: FILTER 5 0	).4 5
RUE KING SIZE: FILTER: MENTHOL 5 C	).4 5
ENSON & HEDGES ULTRA LIGHT 100MM; FILTER; MENTHOL; (HARD PACK) 6	).5 6

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette. Nicotine total alkaloids reported in milligrams per cigarette. Carton Monocide reported in milligrams per cigarette. Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monocide below 0.5 mg. pr. rigarette. Set statement in that communing Kool Ultra brands.

BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD (Increasing Order of Carbon Monoxide) TYPE **JRAND** IAME 6 0.5 8 0.8 7 0.6 7 0.6 PENSON & HEDGES ULTRA LIGHT 100MM; FILTER; (HARD PACK)

LEM LIGHTS 100 100MM; FILTER; MENTHOL

DMNI 100 100MM; FILTER; MENTHOL

PALL MALL EXTRA LIGHT KING SIZE; FILTER

VANTAGE ULTRA LIGHTS KING SIZE; FILTER; MENTHOL

VANTAGE ULTRA LIGHTS 100 100MM; FILTER

WINSTON ULTRA KING SIZE; FILTER

WINSTON ULTRA KING SIZE; FILTER

WINSTON ULTRA 100 100MM; FILTER

MERIT ULTRA LIGHTS 100 100MM; FILTER

PALL MALL LIGHT 100 100MM; FILTER

TAREYTON LONG LIGHTS 100 100MM; FILTER

VANTAGE ULTRA LIGHTS 100 100MM; FILTER

VANTAGE ULTRA LIGHTS 100 100MM; FILTER; MENTHOL

VIRGINIA SLIMS LIGHTS 100 100MM; FILTER; MENTHOL

VIRGINIA SLIMS LIGHTS 100 100MM; FILTER; MENTHOL; (HARD PACK) PENSON & HEDGES ULTRA LIGHT 100MM; FILTER: (HARD PACK) VANTAGE ULTRA LIGHTS 100

VIRGINIA SLIMS LIGHTS 100

BRIGHT

CAMEL LIGHTS

MORE LIGHTS 100

ARE LIGHTS 100

INDUMM; FILTER; MENTHOL; (HARD PACK) 8 0.6 8

MORE LIGHTS 100

ARE LIGHTS 100

INDUMM; FILTER; MENTHOL; (HARD PACK) 7 0.6 8

INDUMM; FILTER; MENTHOL; (HARD PACK) 8 0.6 8

INDUMM; FILTER; MENTHOL; (HARD PACK) 8 0.6 8

INDUMM; FILTER; MENTHOL 9 0.7 9

INDUMM; FILTER; MENTHOL 9 0.7 9 5 0.4 VIRGINIA SLIMS LIGHTS 100

3ELAIR

SILMS LIGHTS 100

3ELAIR

KING SIZE; FILTER; MENTHOL

9 0.7

3OLDEN LIGHTS

GOLDEN LIGHTS

KING SIZE; FILTER; MENTHOL

9 0.7

GOLDEN LIGHTS 100

100MM; FILTER; MENTHOL

9 0.7

GOLDEN LIGHTS 100

100MM; FILTER; MENTHOL

9 0.8

KOOL LIGHTS 100

100MM; FILTER; MENTHOL

10 0.8

NEWPORT LIGHTS

KING SIZE; FILTER; MENTHOL

9 0.7

REWPORT LIGHTS

KING SIZE; FILTER; MENTHOL

9 0.7

RALIAMENT LIGHTS

KING SIZE; FILTER; MENTHOL

9 0.7

RALEIGH LIGHTS

KING SIZE; FILTER; (HARD PACK)

9 0.6

PARLIAMENT LIGHTS

KING SIZE; FILTER

10 0.7

RALEIGH LIGHTS

KING SIZE; FILTER

9 0.7

SALEM LIGHTS

KING SIZE; FILTER; MENTHOL

8 0.6

SILVA THINS 100

100MM; FILTER; MENTHOL

12 1.0

TRUE 100

100MM; FILTER; MENTHOL

12 1.0

PARLIAMENT LIGHTS

KING SIZE; FILTER; MENTHOL

100MM; FILTER; MENTHOL

100 8 0.6 9 9 0.7 10 7 0.6 10 8 0.6 10 9 0.7 10 9 0.7 10 10 0.8 10 11 0.9 10

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN

<sup>1 &</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per digarette.

<sup>2</sup> Nicotine total alkaloids reported in milligrams per cigarette.

 <sup>3</sup> Carbon Monoxide reported in milligrams per digarette.
 • Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.

<sup>\*\*</sup> See statement in text concerning Kool Ultra brands.

	D CO CONTENT OF TWO HUNDRED SEVEN	
BRANDS OF DOMEST	IC CIGARETTES TESTED BY FTC METHOD	•
[Increa	sing Order of Carbon Monoxide)	m ~m
RAND	TYPE	7 20 20
<b>YME</b>	· ·.	
•	•	TAR 1 NICOTINE 3 CARBON HONOXIDE
SATIN 100	100MM; FILTER	10 0.8 10
'ICEROY RICH LIGHTS	KING SIZE; FILTER	9 0.7 10
AINSTON LIGHTS	KING SIZE; FILTER	9 0.6 10
BENSON & HEDGES LIGHTS 100	100MM; FILTER; MENTHOL	10 0.7:11
EVE LIGHTS 120	120MM; FILTER; MENTHOL: (HARD PACK)	14 1.0:11
EVE LIGHTS 120	120mm; FILTER: (HARD PACK)	14 1.1 11
KENT	KING SIZE: FILTER	12 0.9 11
LUCKY STRIKE	KING SIZE: FILTER	11 0 8 11
MARLBORO LIGHTS	KING SIZE: FILTER: (HARD PACK)	10 0 7 11
MARIBORO LIGHTS	KING SIZE: FILTER	11 0 7 11
MEDIT	KING SIZE: FILTER	9 0 6 11
ALDIA .	KING SIZE: FILTED: MENTHOL	9 0 6 11
ALL WIETT WED	KING SIZE, FILTED	. 2 0.0 II
	KING CIZE: FILMED: MENUMON	15 0.0 TT
MODITITION	KING SIZE; FILIEN; MENTHON	10 0 7 17
ODMUNIND 100	100M. FILTED. MENTHOL	10 0.7 11
OKIDAIND 100	VINC CITE, PIIMED	11 0.7 11
TEN TICTURE 300	AING BILDER ADMINIST	10 0.8 11
ALEM LIGHTS 100	100mm; FILTER; MENTHOL	9 0.7 11
ATIN 100	100MM; FILTER; MENTHOL	10 0.8 11
LENSON & HEDGES LIGHTS 100	TUUMM; FILTER	10 0.7 12
TAMEL	REG SIZE; NON-FILTER	20 1.2 12
HESTERFIELD	REG SIZE; NON-FILTER	21 1.2 12
NGLISH OVALS	REG SIZE; NON-FILTER; (HARD PACK)	22 1.5 12
KENT	KING SIZE; FILTER; (HARD PACK)	12.0.9 12
KENT 100	100MM; FILTER	14 1.0 12
KOOL MILDS	KING SIZE; FILTER; MENTHOL	11 0.8 12
_ARK_LIGHTS	KING SIZE; FILTER	13 0.9 12
LUCKY STRIKE	KING SIZE; FILTER; (HARD PACK)	11 0.8 12
MARLBORO LIGHTS 100	100MM; FILTER	11 0.7 12
MERIT 100	100mm; FILTER; MENTHOL	10 0.7 12
PALL MALL LIGHT 100	Ing Order of Carbon Monoxide)  TYPE  100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL; (HARD PACK) 120MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER REG SIZE; NON-FILTER REG SIZE; NON-FILTER REG SIZE; NON-FILTER KING SIZE; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER (HARD PACK) 100MM; FILTER 100MM; FILTER KING SIZE; FILTER	13 1.0 12
RALEIGH LIGHTS 100	100mm; FILTER	10 0.8 12
REBEL	KING SIZE; FILTER	11 0.9 12
ANTAGE	KING SIZE; FILTER	9 0.7 12
'ANTAGE 100	100MM; FILTER	9 0.7 12
/ICEROY RICH LIGHTS 100	100MM; FILTER	10 0.8 12
BENSON & HEDGES	KING SIZE; FILTER; (HARD PACK)	15 1.1 13
	. 100MM; FILTER	13 1.0 13
EVE LIGHTS 100	100MM; FILTER; MENTHOL	13 1.0 13
KENT 100	100MM; FILTER; MENTHOL	15 1.2 13
COOL MILDS 100	100MM; FILTER; MENTHOL	11 0.8 13
_ & M	KING SIZE; FILTER	14 0.9 13
LEM	KING SIZE; FILTER; (HARD PACK)	14 0.9 13
···		

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per digarette.
Nicotine total alkaloids reported in milligrams per digarette.
Carbon Monoxide reported in milligrams per digarette.
Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.
See statement in text opposition Kool Illium brands.

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<sup>1 &</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette.

<sup>2</sup> Nicotine total alkaloids reported in milligrams per cigarette.

Carbon Monoxide reported in milligrams per digarette.
 Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.

<sup>\*\*</sup> See statement in text concerning Kool Ultra brands.

BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD (Increasing Order of Carbon Monoride) INSTON
ENSON & HEDGES 100
ENSON & HEDGES 100
ENSON & HEDGES 100
HESTERFIELD 100
HESTERFIELD 100
HOMM; FILTER; MENTHOL
HESTERFIELD 100
HESTERFIELD 100
HOMM; FILTER; MENTHOL
HESTERFIELD 100
HOMM; FILTER
17 1.2 16
ERBERT TARETTON
KING SIZE; FILTER
17 1.2 16
ERBERT TARETTON
KING SIZE; FILTER
17 1.0 16
MARLBORO
KING SIZE; NON-FILTER
MARLBORO
KING SIZE; FILTER
MARLBORO
KING SIZE; FILTER
MENTHOL
HESTERFIELD
HOMONTCLAIR
KING SIZE; FILTER
HONO-FILTER
MARLBORO
KING SIZE; FILTER
HONO-FILTER
H RAND AME

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN

<sup>&</sup>quot;Tar" - milligrams total particulate matter less nicotine and water per cigarette.

<sup>2</sup> Ricotine total alkaloids reported in milligrams per cigarette.

<sup>3</sup> Carbon Monoxide reported in milligrams per cigarette.

\* Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.

<sup>&</sup>quot; See Catement in text concerning Kool Ultra brands.